

4.2.J. 06010201230.

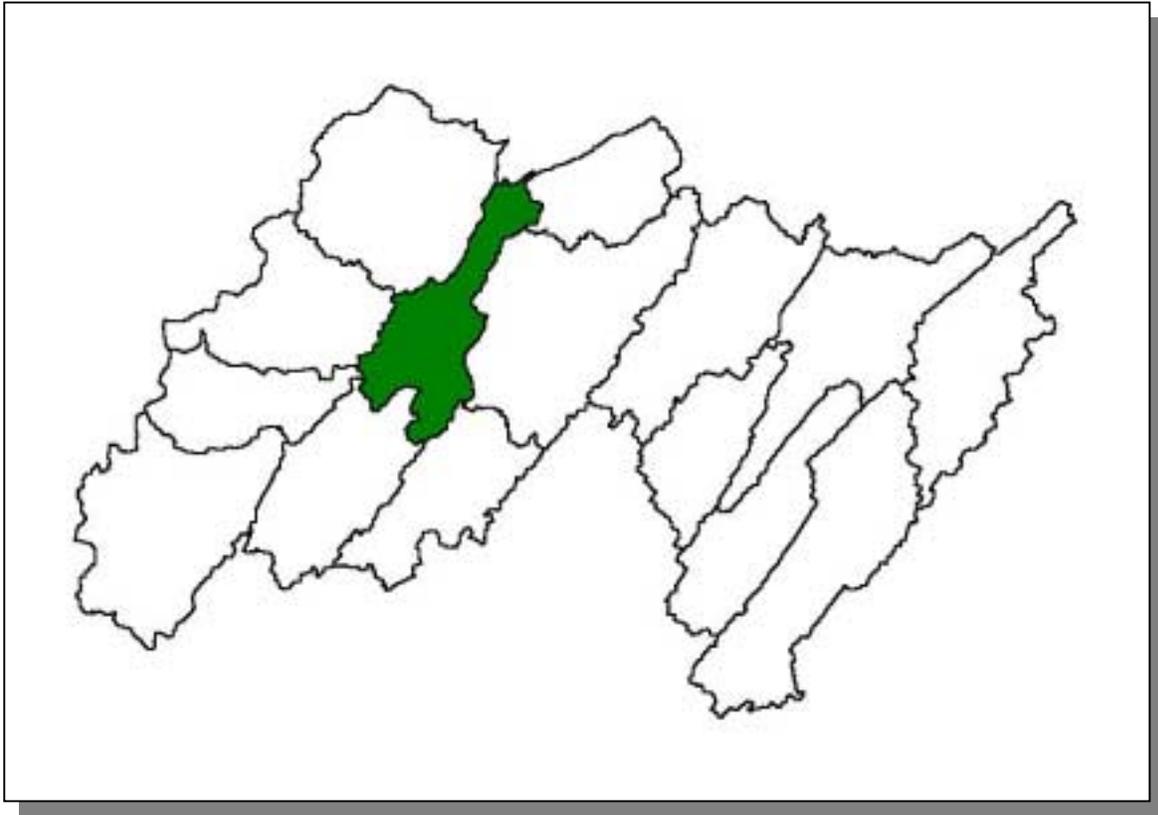


Figure 4-48. Location of Subwatershed 06010201230. All Watts Bar HUC-14 subwatershed boundaries are shown for reference.

4.2.J.i. General Description.

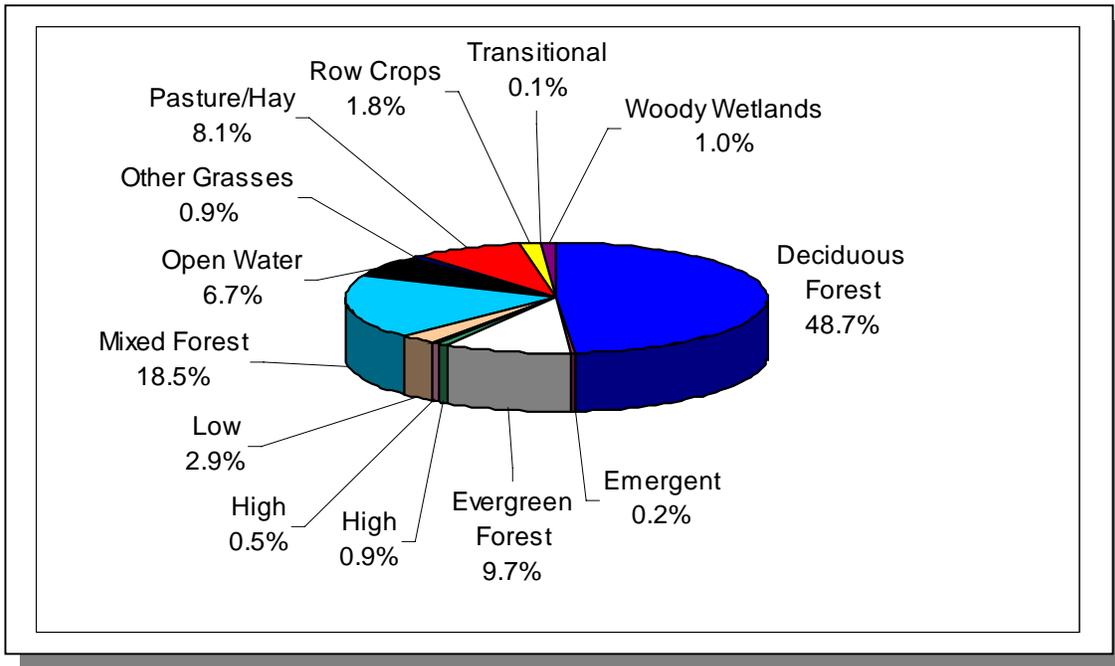


Figure 4-49. Land Use Distribution in Subwatershed 06010201230. More information is provided in Watts Bar-Appendix IV.

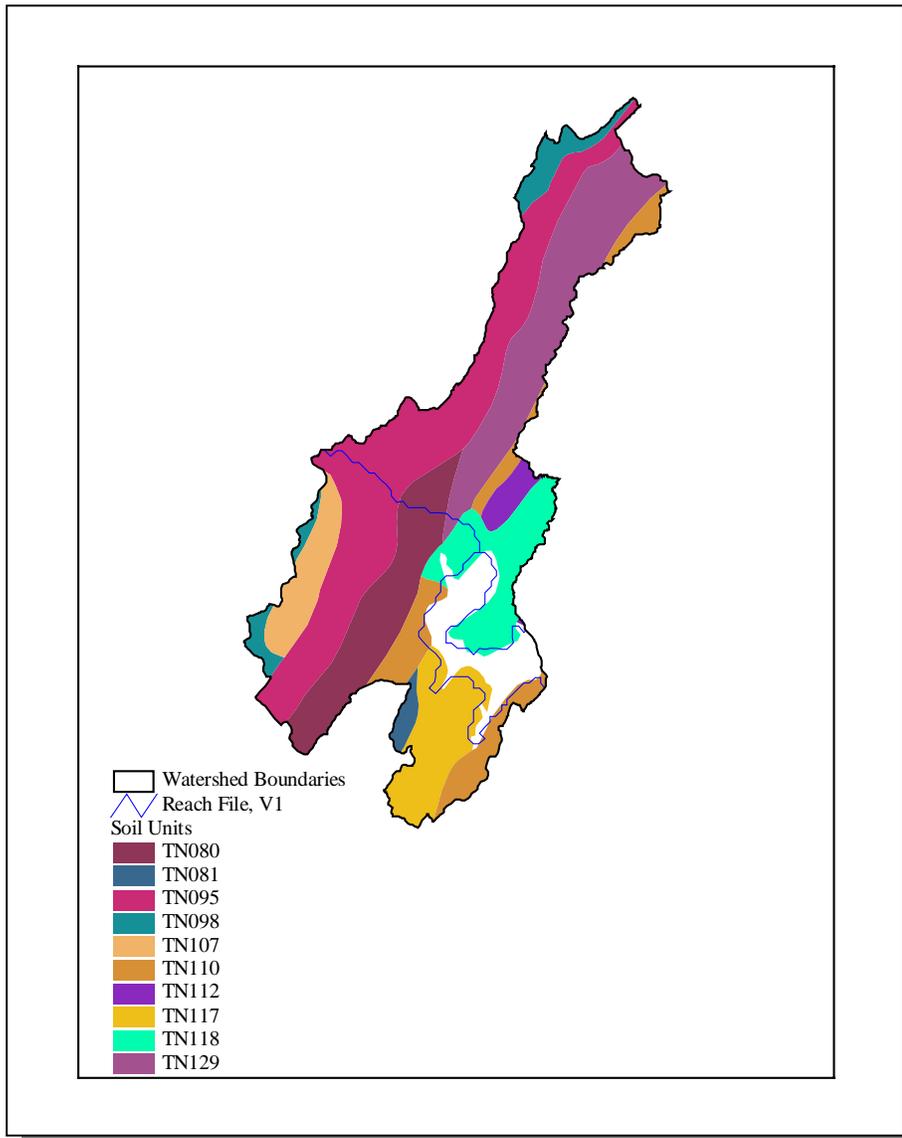


Figure 4-50. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201230.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN080	1.00	C	1.38	5.16	Loam	0.35
TN081	2.00	C	1.41	5.48	Sandy Loam	0.35
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28
TN110	0.00	B	2.22	4.96	Loam	0.31
TN112	2.00	C	2.36	5.09	Loam	0.35
TN117	1.00	C	2.06	5.16	Loam	0.37
TN118	0.00	C	6.52	5.12	Loam	0.29
TN129	0.00	B	2.65	5.24	Loam	0.26

Table 4-62. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201230. More information is provided in Watts Bar-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Cumberland	34,736	43,217	0.05	18	23	27.8
Rhea	24,344	27,672	5.74	1,397	1,588	13.7
Roane	47,227	49,885	4.32	2,041	2,156	5.6
Totals	106,307	120,774		3,456	3,767	9.0

Table 4-63. Population Estimates in Subwatershed 06010201230.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Rockwood	Roane	5,348	2,326	1,818	508	0

Table 4-64. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 06010201230.

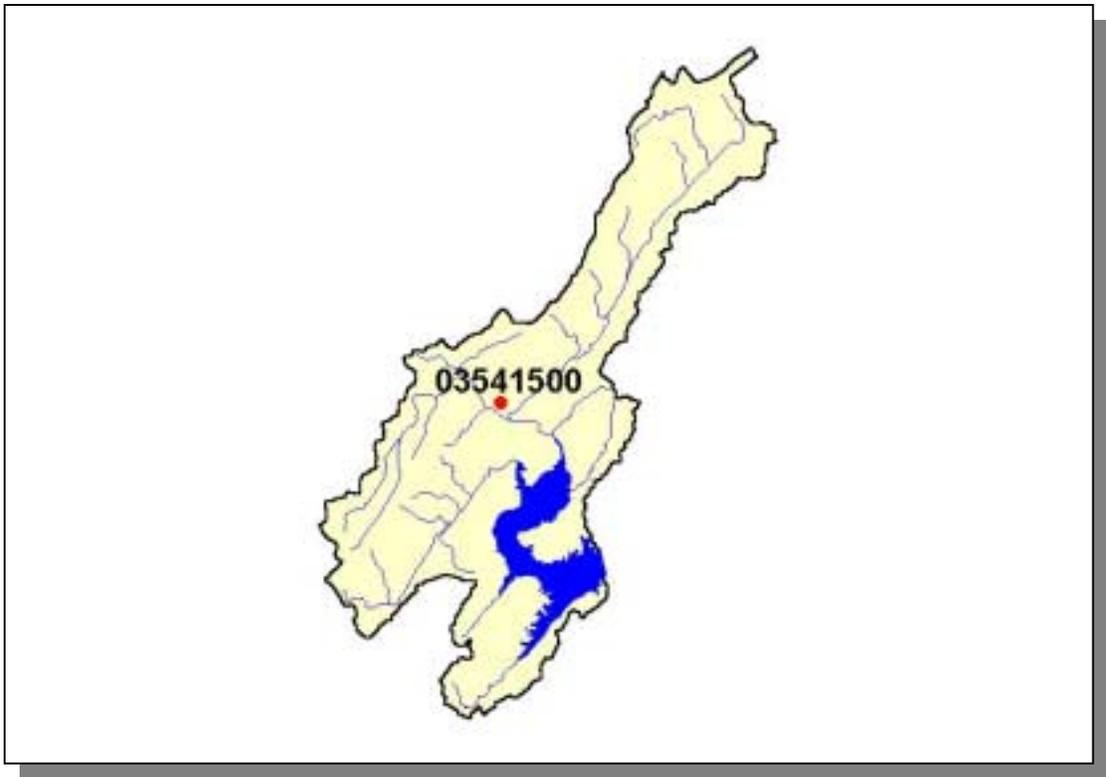


Figure 4-51. Location of Historical Streamflow Data Collection Sites in Subwatershed 06010201230. More information is provided in Watts Bar-Appendix IV.

4.2.J.ii. Point Source Contributions.

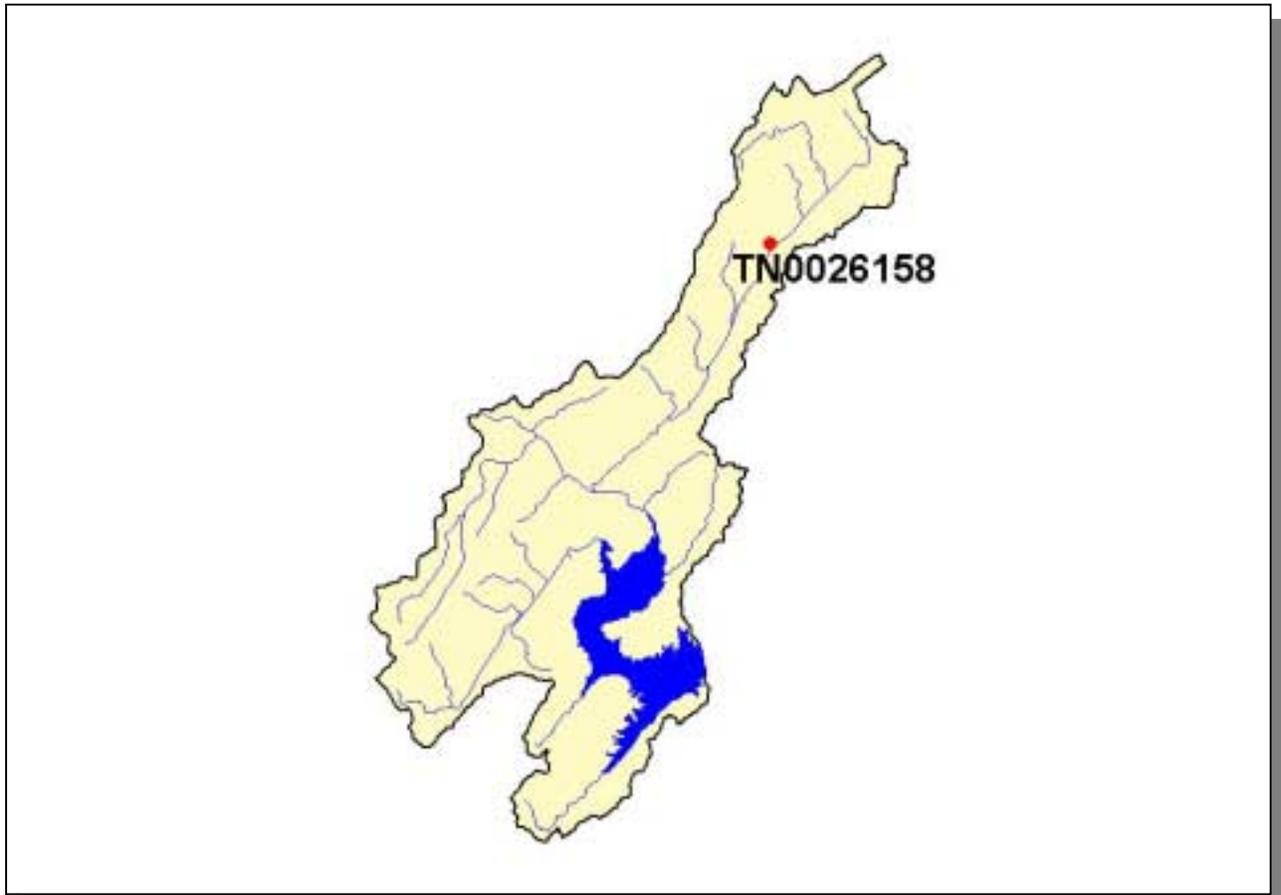


Figure 4-52. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 06010201230. More information, including the names of facilities, is provided in Watts Bar-Appendix IV.



Figure 4-53. Location of Wetland Mitigation Sites in Subwatershed 06010201230. Sites are from ARAP database. More information is presented in Watts Bar-Appendix IV.

4.2.J.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List

There is one NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 06010201230:

- TN0026158 discharges to Black Creek @ RM 5.3

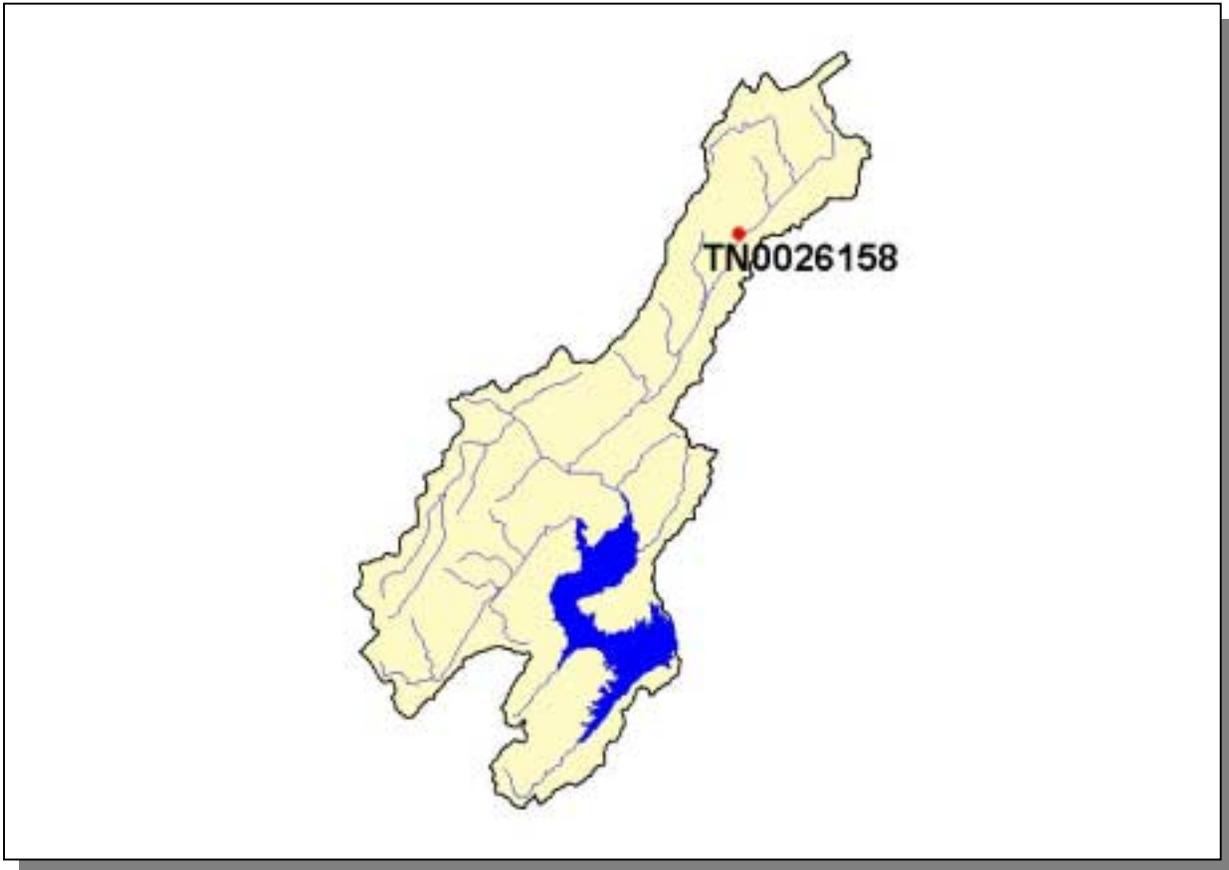


Figure 4-54. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 06010201230. The names of facilities are provided in Watts Bar-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0026158				1.65	

Table 4-65. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201230. Data are in million gallons per day (MGD). 30Q2 data were obtained by using data in *Flow Duration and Low Flows of Tennessee Streams Through 1992*.

PERMIT #	CBOD ₅	NH ₃	FECAL	METAL	WET
TN0026158	X	X	X		X

Table 4-66. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06010201230.

4.2.J.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Milk Cow	Sheep
6,349	12,317	487	22	158	487	141

Table 4-67. Summary of Livestock Count Estimates in Subwatershed 06010201230. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cumberland	320.3	320.3	5.9	22.5
Rhea	126.5	126.4	1.7	4.7
Roane	153.1	153.1	1.7	5.1
Total	599.9	599.8	9.3	32.3

Table 4-68. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 06010201230.

CROP	TONS/ACRE/YEAR
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.85
Grass (Pastureland)	1.34
Grass, Forbs, Legumes (Mixed Pasture)	0.35
Forest Land (Grazed)	0.00
Corn (Row Crops)	0.65
Soybeans (Row Crops)	4.10
Other Vegetable and Truck Crop	14.05
Grass (Hayland)	3.05
Legume Grass (Hayland)	0.16
Legume (Pastureland)	0.23
Non Agricultural Land Use	0.00
Wheat (Close Grown Cropland)	8.50

Table 4-69. Annual Estimated Total Soil Loss in Subwatershed 06010201230.